SEQUENCE LISTING

<110> Andrew, David P. Zabel, Brian A. Ponath, Paul D.

<120> ANTI-GPR-9-6 ANTIBODIES AND METHODS OF
 IDENTIFYING AGENTS WHICH MODULATE GPR-9-6 FUNCTION

<130> LKS98-16 <140> 09/266,464 <141> 1999-03-11 <160> 7 <170> FastSEQ for Windows Version 3.0 <210> 1 <211> 2577 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (58)...(1131) <400> 1 aatattttcc ttgacctaat gccatcttgt gtccccttgc agagccctat tcctaac atg Met gct gat gac tat ggc tct gaa tcc aca tct tcc atg gaa gac tac gtt Ala Asp Asp Tyr Gly Ser Glu Ser Thr Ser Ser Met Glu Asp Tyr Val aac ttc aac ttc act gac ttc tac tgt gag aaa aac aat gtc agg cag Asn Phe Asn Phe Thr Asp Phe Tyr Cys Glu Lys Asn Asn Val Arg Gln 20 ttt qcq aqc cat ttc ctc cca ccc ttg tac tgg ctc gtg ttc atc gtg Phe Ala Ser His Phe Leu Pro Pro Leu Tyr Trp Leu Val Phe Ile Val 35 ggt gcc ttg ggc aac agt ctt gtt atc ctt gtc tac tgg tac tgc aca Gly Ala Leu Gly Asn Ser Leu Val Ile Leu Val Tyr Trp Tyr Cys Thr

aga gtg aag acc atg acc gac atg ttc ctt ttg aat ttg gca att gct Arg Val Lys Thr Met Thr Asp Met Phe Leu Leu Asn Leu Ala Ile Ala

75

70

60

108

156

204

252

300

gac Asp	ctc Leu	Leu	ttt Phe 85	Leu	gtc Val	act Thr	ctt Leu	Pro 90	Phe	tgg Trp	gco Ala	att Ile	gct Ala 95	Ala	gct Ala	348
gac Asp	cag Gln	tgg Trp 100	Lys	ttc Phe	cag Gln	acc Thr	ttc Phe 105	Met	tgc Cys	aag Lys	gtg Val	gto Val	Asn	ago Ser	atg Met	396
tac Tyr	aag Lys 115	Met	aac Asn	ttc Phe	tac Tyr	agc Ser 120	tgt Cys	gtg Val	ttg Leu	ctg Leu	atc Ile 125	Met	tgc Cys	ato	agc Ser	4 4 4
gtg Val 130	Asp	agg Arg	tac Tyr	att Ile	gcc Ala 135	att Ile	gcc Ala	cag Gln	gcc Ala	atg Met 140	Arg	gca Ala	cat His	act Thr	tgg Trp 145	4 92
agg Arg	gag Glu	aaa Lys	agg Arg	ctt Leu 150	Leu	tac Tyr	agc Ser	aaa Lys	atg Met 155	gtt Val	tgc Cys	ttt Phe	acc Thr	atc Ile 160	tgg	540
					ctc Leu										atc Ile	588
					att Ile											636
					aag Lys											684
					ttc Phe 215											732
					caa Gln											780
					gtc Val											828
tac Tyr	aac Asn	tgc Cys 260	att Ile	ttg Leu	ttg Leu	gtg Val	cag Gln 265	acc Thr	att Ile	gac Asp	gcc Ala	tat Tyr 270	gcc Ala	atg Met	ttc Phe	876
atc Ile	tcc Ser 275	aac Asn	tgt Cys	gcc Ala	gtt Val	tcc Ser 280	acc Thr	aac Asn	att Ile	gac Asp	atc Ile 285	tgc Cys	ttc Phe	cag Gln	gtc Val	924
acc Thr 290	cag Gln	acc Thr	atc Ile	gcc Ala	ttc Phe 295	ttc Phe	cac His	agt Ser	Cys	ctg Leu 300	aac Asn	cct Pro	gtt Val	ctc Leu	tat Tyr 305	972

gtt ttt gtg ggt gag aga ttc cgc cgg gat ctc Val Phe Val Gly Glu Arg Phe Arg Arg Asp Lev 310	c gtg aaa acc ctg aag u Val Lys Thr Leu Lys 320	1020
aac ttg ggt tgc atc agc cag gcc cag tgg gtt Asn Leu Gly Cys Ile Ser Gln Ala Gln Trp Val 325 330	t tca ttt aca agg aga l Ser Phe Thr Arg Arg 335	1068
gag gga agc ttg aag ctg tcg tct atg ttg ctg Glu Gly Ser Leu Lys Leu Ser Ser Met Leu Leu 340	g gag aca acc tca gga u Glu Thr Thr Ser Gly 350	1116
gca ctc tcc ctc tga ggggtcttct ctgaggtgca t Ala Leu Ser Leu * 355	iggttetttt ggaagaaatg	1171
agaaatacat gaaacagttt ccccactgat gggaccagag	g agagtgaaag agaaaagaaa	1231
actcagaaag ggatgaatct gaactatatg attacttgta	gtcagaattt gccaaagcaa	1291
atatttcaaa atcaactgac tagtgcagga ggctgttgat	tggctcttga ctgtgatgcc	1351
cgcaattctc aaaggaggac taaggaccgg cactgtggag	cacctggct ttgccactcg	1411
ccggagcatc aatgccgctg cctctggagg agcccttgga	ttttctccat gcactgtgaa	1471
cttctgtggc ttcagttctc atgctgcctc ttccaaaagg	ggacacagaa gcactggctg	1531
ctgctacaga ccgcaaaagc agaaagtttc gtgaaaatgt	ccatctttgg gaaattttct	1591
accetgetet tgageetgat aacceatgee aggtettata	gattcctgat ctagaacctt	1651
tccaggcaat ctcagaccta atttccttct gttctccttg	ttctgttctg ggccagtgaa	1711
ggtccttgtt ctgattttga aacgatctgc aggtcttgcc	agtgaacccc tggacaactg	1771
accacaccca caaggcatcc aaagtctgtt ggcttccaat	ccatttctgt gtcctgctgg	1831
aggttttaac ctagacaagg attccgctta ttccttggta	tggtgacagt gtctctccat	1891
ggcctgagca gggagattat aacagctggg ttcgcaggag	ccagcettgg ceetgttgta	1951
ggcttgttct gttgagtggc acttgctttg ggtccaccgt	ctgtctgctc cctagaaaat	2011
gggctggttc ttttggccct cttctttctg aggcccactt	tattctgagg aatacagtga	2071
gcagatatgg gcagcagcca ggtagggcaa aggggtgaag	cgcaggcctt gctggaaggc	2131
tatttacttc catgettete ettttettac tetatagtgg	caacatttta aaagctttta	2191
acttagagat taggctgaaa aaaataagta atggaattca	cctttgcatc ttttgtgtct	2251
ttcttatcat gatttggcaa aatgcatcac ctttgaaaat	atttcacata ttggaaaagt	2311
gctttttaat gtgtatatga agcattaatt acttgtcact	ttctttaccc tgtctcaata	2371
ttttaagtgt gtgcaattaa agatcaaata gatacattaa	gagtgtgaag gctggtctga	2431
aggtagtgag ctatctcaat cggattgttc acactcagtt	acagattgaa ctccttgttc	2491
tacttccctg cttctctcta ctgcaattga ctagtcttta	aaaaaagtg tgaagagtaa	2551
gcaataggga taaggaaata agatct		2577

```
<210> 2
<211> 357
<212> PRT
<213> Homo sapiens
```

<400> 2

 Met
 Ala
 Asp
 Asp
 Tyr
 Gly
 Ser
 Glu
 Ser
 Thr
 Ser
 Ser
 Met
 Glu
 Asp
 Tyr

 Val
 Asn
 Phe
 Asn
 Phe
 Tyr
 Cys
 Glu
 Lys
 Asn
 Asn
 Val
 Arg

 Zo
 20
 25
 30
 30
 30
 Ser
 He
 Ile
 Ile

Thr Arg Val Lys Thr Met Thr Asp Met Phe Leu Leu Asn Leu Ala Ile 70 75 Ala Asp Leu Leu Phe Leu Val Thr Leu Pro Phe Trp Ala Ile Ala Ala 90 85 Ala Asp Gln Trp Lys Phe Gln Thr Phe Met Cys Lys Val Val Asn Ser 105 110 100 Met Tyr Lys Met Asn Phe Tyr Ser Cys Val Leu Leu Ile Met Cys Ile 120 125 Ser Val Asp Arg Tyr Ile Ala Ile Ala Gln Ala Met Arg Ala His Thr 140 135 Trp Arg Glu Lys Arg Leu Leu Tyr Ser Lys Met Val Cys Phe Thr Ile 155 150 Trp Val Leu Ala Ala Ala Leu Cys Ile Pro Glu Ile Leu Tyr Ser Gln 170 175 165 Ile Lys Glu Glu Ser Gly Ile Ala Ile Cys Thr Met Val Tyr Pro Ser 180 185 190 Asp Glu Ser Thr Lys Leu Lys Ser Ala Val Leu Thr Leu Lys Val Ile 200 205 195 Leu Gly Phe Phe Leu Pro Phe Val Val Met Ala Cys Cys Tyr Thr Ile 210 215 220 Ile Ile His Thr Leu Ile Gln Ala Lys Lys Ser Ser Lys His Lys Ala 235 230 Leu Lys Val Thr Ile Thr Val Leu Thr Val Phe Val Leu Ser Gln Phe 250 255 245 Pro Tyr Asn Cys Ile Leu Leu Val Gln Thr Ile Asp Ala Tyr Ala Met 260 265 270 Phe Ile Ser Asn Cys Ala Val Ser Thr Asn Ile Asp Ile Cys Phe Gln 275 280 285 Val Thr Gln Thr Ile Ala Phe Phe His Ser Cys Leu Asn Pro Val Leu 295 Tyr Val Phe Val Gly Glu Arg Phe Arg Arg Asp Leu Val Lys Thr Leu 315 305 310 Lys Asn Leu Gly Cys Ile Ser Gln Ala Gln Trp Val Ser Phe Thr Arg 325 330 Arg Glu Gly Ser Leu Lys Leu Ser Ser Met Leu Leu Glu Thr Thr Ser 340 345 Gly Ala Leu Ser Leu 355

```
<210> 3
<211> 26
<212> PRT
<213> Artificial Sequence
<220>
<223> NH2-Terminal Peptide of Human GPR-9-6
```

 $<\!400\!>$ 3 Met Ala Asp Asp Tyr Gly Ser Glu Ser Thr Ser Ser Met Glu Asp Tyr 1 5 10 15 Val Asn Phe Asn Phe Thr Asp Phe Tyr Cys 20 25

<210> 4 <211> 35 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide primer	
<400> 4 tcgaagggat ccctaacatg gctgatgact atggc	35
<210> 5 <211> 35 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide primer	
<400> 5 aagaagtota gaaccootca gagggagagt gotoo	35
<210> 6 <211> 30 <212> DNA <213> Artificial Sequence	
<220> <223> Oligonucleotide primer	
<400> 6 tcgaagaagc ttatgaacct gtggctcctg	30

<210> 7 <211> 30

<212> DNA <213> Artificial Sequence

<220> <223> Oligonucleotide primer

<400> 7 aagaagtcta gatcacagtc ctgaattagc

30